

Sukanya Sumano 2011: The Study of Mathematics Ability in Solving Word Problems on “Percent” of Prathomsuksa Six Students by Using SSCS Model at Watnongkhaem (Saharatburana) School, Bangkok. Master of Education (Teaching Mathematics), Major Field: Teaching Mathematics, Department of Education. Thesis Advisor: Mrs. Chanisvara Lertamornpong, Ph.D. 158 pages.

The purposes of this research were 1) to study students’ ability in solving word problems on “Percent” of prathomsuksa six students by using SSCS model 2) to study students’ mathematics learning achievement on “Percent” of prathomsuksa six students by using SSCS model, and 3) to study students’ opinions related to learning activities of prathomsuksa six students by using SSCS model.

The sample group was 33 prathomsuksa six students of one classroom at Watnongkhaem (Saharatburana) School in the second semester of the academic year 2010 that was selected by cluster random sampling from 8 classrooms. The instruments in data collection consisted of 12 lesson plans on “Percent” of prathomsuksa six students by using SSCS model, the mathematics ability test in solving word problems on “Percent” of prathomsuksa six students, the mathematics learning achievement test on “Percent” of prathomsuksa six students, and students’ opinion questionnaire toward learning activities by using SSCS model. Percentage, mean, standard deviation, and t-test were used for analyzing data and presented by tables with their corresponding descriptions.

The research findings revealed that 1) the students had the solving word problem abilities on “Percent” at the good level, 2) the mathematics learning achievement after learning was higher than 60% at the .05 level of significance, and 3) almost all students totally agreed that the learning activities were appropriate.

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Student’s signature

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Thesis Advisor’s signature